

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number	J62166
Lot Number	10260071
Description	L-Glutathione, reduced, 98+%
CAS Number	70-18-8
Quality Test/Release Date	16/Jan/2026
Suggested retest date	16/Jan/2029
Country of Origin	China
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Assay	%	≥98.0%	99 (on dry basis)
Appearance (Color)		White	White
Form		Crystalline powder	Crystalline powder
Heavy Metals	ppm	≤10 ppm	<10
Residue on ignition	%	≤0.1%	0.04
Impurity content	ppm	Ammonium(NH ₄): ≤200 ppm	<200
Impurity content	ppm	Iron (Fe): ≤10 ppm	<5
Impurity content	ppm	Sulfate (SO ₄): ≤300 ppm	<300
Infrared spectrum		Conforms	Conforms
Loss on Drying	%	≤0.5%	0.2
Optical Rotation	°	-15.5 to -17.5°	-16.2
Solution Test		Clear and colorless	Clear and colourless



Paul Coleman
Site Quality Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.